

Claims

1. An inflator for an air bag constituted to include

an inflator housing which accommodates at least one of a pressurized gas and a gas generating agent which burns to generate a gas,

a gas discharge portion provided with an annular portion formed with plural first gas discharge ports for discharging a gas of the inflator housing, and

a diffuser member which covers an outer surface of the gas discharge portion and is mounted as a separate member only in the vicinity of the first gas discharge ports, wherein

the diffuser member is provided with a passage forming portion for guiding a gas discharged from the first gas discharge ports in the circumferential direction of the gas discharge portion between the diffuser member and the gas discharge portion, and one or two or more second gas discharge ports for discharging the gas of the passage in the radial direction of the inflator housing are formed unevenly on the one portion of the passage forming portion in the circumferential direction.

2. An inflator for an air bag according to claim 1, wherein the passage forming portion of the diffuser portion comprises two projecting portions projecting outwardly in the radial direction along the circumferential direction of the gas discharge portion and an annular portion formed integrally between the two projecting portions, and the second gas

discharge ports are formed unevenly on one portion of a peripheral face of the annular portion.

3. An inflator for an air bag according to claim 1, wherein a step portion formed along the circumferential direction of the gas discharge portion is provided on an outer peripheral face of the gas discharge portion, and

the diffuser member is provided with an engagement portion engaged with the step portion complementarily.

4. An inflator for an air bag according to claim 3, wherein a projecting portion forming the passage forming portion of the diffuser member is formed integrally with an extension portion having an annular portion extending in the axial direction of the gas discharge portion and is threadly attached with a nut-like member on an outer peripheral face of the annular portion of the extension portion, and a space between the nut-like member and the projecting portion is defined as an air bag clamping and fixing portion.

5. An inflator for an air bag according to claim 1 or 2, wherein the diffuser member is threadly attached with nut-like members on an outer peripheral face on both sides thereof in the axial direction thereof and is provided with annular projecting portions existing on both sides in the axial direction of the second gas discharge ports, and a space between each nut-like member and a corresponding annular projecting portion is defined as an air bag clamping and fixing portion.

6. An air bag apparatus constituted to include an activation signal-outputting means comprising an impact sensor

and a control unit, an inflator for an air bag which receives an activation signal outputted from the activation signal-outputting means to be activated thereby discharging a gas, and an air bag which is inflated by introducing a gas discharged from the inflator for an air bag therein, wherein

as the inflator for an air bag, an inflator for an air bag according to claim 1 or 2 is used, and

the air bag is provided to the inflator for an air bag to develop in the ejecting direction of a gas at the second gas discharge ports provided in the inflator for an air bag.